

Abstract Of The Disclosure

An injection nozzle is proposed in which the nozzle needle has an annular groove in the vicinity of the transition between the blind hole and the nozzle needle seat. In seat hole injection nozzles, the annular groove is disposed in the vicinity of the injection orifice(s). The annular groove reduces the tolerance of the flow resistance of the injection nozzle with a partial stroke of the nozzle needle and thus permits a more precise measurement of the fuel quantity injected.